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National Aeronautics
and Space Administration

April 5, 1996

NRA 96-OSS-08

CONTIN

Research Announcement

Origins of Solar Systems Program

Proposals Due: July 5, 1996

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Origins of Solar Systems Program

**NASA Research Announcement (NRA)
Soliciting Proposals for Basic Research
for the period ending
July 5, 1996**

**NRA 96-OSS-08
Issued: April 5, 1996**

**Office of Space Science
National Aeronautics and Space Administration
Washington, DC 20546-0001**

Origins of Solar Systems Program (OSSP)

This NASA Research Announcement (NRA) solicits basic research proposals to conduct scientific investigations related to understanding the formation and early evolution of planetary systems and to provide the fundamental research and analysis necessary to detect and characterize other planetary systems. These investigations may involve analytical and numerical modeling, laboratory research, and observational studies in the following areas: star formation and the relationship to planetary system formation, solar nebula processes, accumulation and dynamical evolution, analysis of primitive materials, and the detection of other planetary systems. The investigations should directly support the goals related to understanding planetary system formation.

The Origins program realizes the existing potential for complementary interdisciplinary efforts to solve key scientific questions. To achieve this goal, proposals are encouraged which involve joint research efforts by investigators from different scientific communities. Interdisciplinary investigations may include, for example, studies of nebular chemistry and dynamics to understand the composition of primitive volatile-rich solar system bodies, or collaborations between observational astronomers and modelers to study the initial collapse of a protostellar cloud to form a nebula. Proposals for topical conferences, workshops, or other new initiatives related to the Origins program are also solicited through this NRA.

It is estimated that the funding level for this program for fiscal year (FY) 1997 will be approximately \$ 5 million and that this level of funding will support approximately 95 research investigations, including both full proposals and progress reports. Awards under this NRA are subject to the availability of program funds.

Participation in this program is open to all categories of organizations, both domestic and foreign: industry, educational institutions, other nonprofit organizations, NASA Centers, and other Government agencies. Proposals may be submitted at any time during the period ending July 5, 1996. These proposals will be evaluated by scientific peer review prior to the start of fiscal year 1997. Announcements regarding selection for funding are expected to be made during October 1996. A listing of currently funded investigations is available through the program office.

Further details relevant to this program are included in the appendices to this Announcement. Appendix A provides technical and programmatic information in the general area in which proposals are sought, describes changes since last year, and provides amendatory guidance to Appendix B, applicable only to this NRA. Appendix B contains the general "Guidelines for Responding to NASA Research Announcements (NRA) for Solicited Basic Research Proposals." Appendix C contains model formats for use in preparation of proposals submitted to the Origins of Solar Systems Program.

In response to the increased awareness of ecological issues on the parts of both NASA and the scientific community, NASA will conserve paper and reduce waste by making available the complete text of the NRA and appendices through the World Wide Web after the release date of April 5, 1996. The Internet URL address is:

http://www.hq.nasa.gov/office/solar_system/

Paper copies of this NRA, Appendices, and required forms will be available from the NASA Headquarters Discipline Scientist shown below if the prospective proposer's institution lacks access to the World Wide Web.

The following items apply only to this Announcement:

Identifier: NRA 96-OSS-08

Submit Proposals to: Origins of Solar Systems Review Panel
The Lunar and Planetary Institute (LPI)
3600 Bay Area Boulevard
Houston, TX 77058
(713) 486,2149

*(Proposals submitted directly to NASA Headquarters
will be treated as correspondence)*

Proposals Due: July 5, 1996

Copies Required: Full Proposals for New or Ongoing Research: 15
Progress Report Proposals: 5

*(All Proposals must contain 4 additional copies of
Appendix C, pages I - IV)*

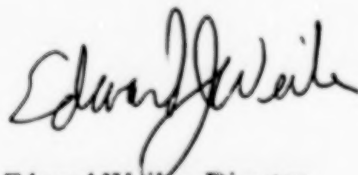
Selecting Official: Director
Research Program Management Division
Office of Space Science

Obtain NRA Electronically: http://www.hq.nasa.gov/office/solar_system/

Obtain Additional
Information from: Discipline Scientist
Origins of Solar Systems Program
Research Program Management Division
NASA Headquarters
Washington, DC 20546-0001 U.S.A.

Telephone: (202) 358-0294
FAX: (202) 358-3097

Your interest and cooperation in participating in this effort are appreciated.



Edward Weiler, Director
Astronomical Search for Origins and
Planetary Systems

NASA Research Announcement (NRA)/Announcement of Opportunity (AO) Mailing List Update

If your current address is NOT up-to-date, please fill out this form completely.

This is the update form for the NASA Office of Space Sciences (OSS) NRA/AO mailing list. Please fill out CONTACT INFORMATION completely. Check only those that apply in Institution Type and Discipline. Fold the form, secure with tape, and mail it back to the address on the reverse side. Proper postage must be applied.

MUST CHECK ONE

Please check which announcements you would like to receive:

- ☐ 1. NASA Research Announcements (basic, non-flight, on-going research)
- ☐ 2. Announcements of Opportunity (specific space flight mission)

Must check one, please include code number from mailing label:

- ☐ 1. Please **add** my name to the mailing list.
- ☐ 2. Please **remove** my name from the mailing list (please attach mailing label)
- ☐ 3. Please **update** my current listing.

CONTACT INFORMATION

If your address has changed or your mailing label is incorrect, please provide **COMPLETE** contact information.

Code Number: (obtain from mailing label)	<input type="text"/>	Salutation: (Mr., Mrs., Ms., Dr., Prof., etc.)	<input type="text"/>	Suffix (Ret., PhD., Jr., III, etc.)	<input type="text"/>
First Name:	<input type="text"/>	MI:	<input type="text"/>	Last Name:	<input type="text"/>
Organization:	<input type="text"/>				
Division / Department:	<input type="text"/>				
Street:	<input type="text"/>				
City:	<input type="text"/>	State:	<input type="text"/>	Zip:	<input type="text"/>
Telephone No:	<input type="text"/>	Fax No:	<input type="text"/>		
E-Mail Address:	<input type="text"/>		Internet Address:	<input type="text"/>	
Country: (foreign addresses, please specify)	<input type="text"/>				

Institution Type

(check only those that apply)

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|--|---|---|
| <input type="checkbox"/> 1. College or University | <input type="checkbox"/> 4. Minority Business | <input type="checkbox"/> 7. Other Government Agency |
| <input type="checkbox"/> 2. Minority College or University | <input type="checkbox"/> 5. NASA HQs/Center | <input type="checkbox"/> 8. Private Industry |
| <input type="checkbox"/> 3. Foreign Addressee | <input type="checkbox"/> 6. Nonprofit Corporation | <input type="checkbox"/> 9. Small Business |

Societies:

- ☐ A. American Astronomical Society ☐ B. American Geophysical Union ☐ C. Others _____

Discipline:

(check only those that apply)

(MUST CHECK AT LEAST ONE)

1. Astronomy and Astrophysics

- ☐ A. Theory and Modeling
- ☐ B. Instrumentation (Technology Dev)
- ☐ C. Laboratory Astrophysics
- ☐ D. Data Analysis (Archival)
- ☐ E. Observational Programs

2. Solar System Exploration

- ☐ A. Planetary Atmospheres and Astronomy
- ☐ B. Planetary Materials and Geochemistry
- ☐ C. Planetary Geology and Geophysics
- ☐ D. Instrument Development
- ☐ E. Origins of Solar Systems
- ☐ F. Exobiology

3. Space Physics

- ☐ A. Cosmic and Heliosphere Physics
- ☐ B. Solar Physics
- ☐ C. Magnetospheric Physics
- ☐ D. Ionosphere-Mesospheric Physics

4. Information Systems/Computer Science

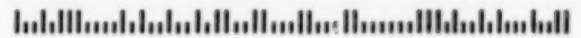
- ☐ A. High Performance Computing and Networking
- ☐ B. Scientific Data Analysis and Visualization
- ☐ C. Science Data Storage and Management
- ☐ D. Software Technology

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